Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/23/2019 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125906	0	2.38	126006	2.40
Blue	F	SSC	125000	124704	-1	1.65	125514	1.68
Blue	E	FITC	16433	16171	-2	2.60	353	19.07
Blue	D	PE	27595	27535	-1	1.84	601	14.10
Blue	B	PerCP-Cy5-5	43183	42757	-1	3.50	1149	19.48
Blue	A	PE-Cy7	31943	32724	2	5.84	630	38.96
Red	C	APC	42819	42490	-1	2.37	1502	11.61
Red	A	APC-Cy7	31261	30951	-1	2.32	821	11.47
Violet	B	V450	6527	6293	-4	4.17	352	12.73
Violet	A	V500	24533	23468	-5	3.92	547	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18009	13.27	612	12	N/A	N/A	Pass
Blue	F	SSC	56849	1.17	554	6	N/A	N/A	Pass
Blue	E	FITC	64	60.65	540	1	0.0220	101	Pass
Blue	D	PE	126	48.27	537	3	0.1861	300	Pass
Blue	B	PerCP-Cy5-5	211	48.39	649	7	0.0100	74	Pass
Blue	A	PE-Cy7	117	96.37	698	9	0.0119	15	Pass
Red	C	APC	356	24.47	577	-6	0.0273	184	Pass
Red	A	APC-Cy7	182	27.74	557	-6	0.0062	1098	Pass
Violet	B	V450	53	59.30	448	-7	0.0597	2368	Pass
Violet	A	V500	82	33.53	459	-8	0.0239	811	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.85	-32.46	0.98
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.47
Red	17.25	13.60 - 20.40	N/A	N/A	30.20	30.56	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11164

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments